

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert H. Grubbs et al.
Serial No.: 09/891,144
Filing Date: June 25, 2001

Docket No.: 20072-0278319
Group Art Unit: 1621
Examiner: Zucker, Paul A.

#9/13
7/21/03
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For: **SYNTHESIS OF FUNCTIONALIZED AND UNFUNCTIONALIZED
OLEFINS VIA CROSS AND RING CLOSING METATHESIS**

OFFICE ACTION RESPONSE

MAIL STOP AMENDMENT - FEE
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

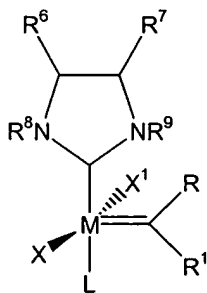
In response to the Office Action dated January 8, 2003, Applicants submit the following:

AMENDMENT

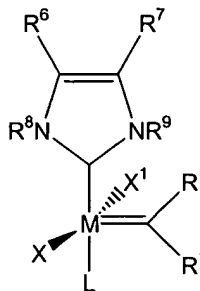
IN THE CLAIMS

Please enter the following amended claims:

- 1 1. (Currently amended) A method for preparing trisubstituted olefins comprising:
2 contacting a geminal disubstituted olefin with a terminal olefin in the presence of a metal
3 carbene metathesis catalyst to generate a trisubstituted olefin in an intermolecular olefin
4 cross-metathesis reaction.
- 1 2. (Original) The method of Claim 1 wherein the catalyst is of the formula:



or



- 2
- 3 wherein: